

ORIGINAL

TSCA NON-CONFIDENTIAL BUSINESS INFORMATION

DOCUMENT DESCRIPTION	DOCUMENT CONTROL NUMBER	DATE RECEIVED
8EHQ-12-18833	88120000376	9/20/12

COMMENTS:

DOES NOT CONTAIN CBI



MR# 348745

The Dow Chemical Company
Midland, MI 48674
USA
1803 Building

September 19, 2012

VIA FEDERAL EXPRESS



8 E H Q - 1 2 - 1 8 8 3 3

Document Processing Center (7407M)
(Attn: TSCA Section 8(e) Coordinator)
Office of Pollution Prevention and Toxics
Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460-0001

RECEIVED
OPPT 0310

2012 SEP 20 AM 10:48

Re: Benzyl trimethyl ammonium chloride

CAS # 56-93-9



8 8 1 2 0 0 0 0 3 7 8

Dear Sir/Madam:

The following information is being submitted by The Dow Chemical Company (Dow) pursuant to current guidance issued by EPA indicating EPA's interpretation of Section 8(e) of the Toxic Substances Control Act. Dow has made no determination as to whether a significant risk of injury to health or the environment is actually presented by the findings.

Two groups of five Fisher 344/DuCrI rats/sex were exposed using a nose-only inhalation exposure system, to a time-weighted average chamber concentration of 0.64 or 2.03 mg of benzyltrimethylammonium chloride per liter of air for a single four hour exposure period. The mass median aerodynamic diameter (MMAD) of particulate benzyltrimethylammonium chloride present in the exposure chamber test atmospheres averaged 2.67 microns with an average geometric standard deviation (GSD) of 1.89 for the 0.64 mg/L exposure and 2.28 microns with a GSD of 2.85 for the 2.03 mg/L exposure.

All animals exposed to 2.03 mg/L died within 97 minutes of exposure. Clinical effects noted during the 2.03 mg/L exposure period were labored breathing in 2 males and 2 females and soiling of the haircoat in 2 female rats.

Based on these data, the calculated four-hour LC₅₀ of inhaled particulate benzyltrimethylammonium chloride is calculated to be 1.14 mg/L for male and female Fisher 344/DuCrI rats.

CONTAINS NO CBI

Questions may be addressed to the undersigned.

Sincerely,

Alicia M Fitzpatrick

Alicia M. Fitzpatrick
PH: 215-785-7033
FAX: 215-785-7227
E-MAIL: afitzpatrick@dow.com

From: (989) 638-1472
Beth Stieve

Origin ID: MBSA



The Dow Chemical Company
1803 BLDG
Midland, MI 48674



J12201207180325

SHIP TO: (123) 456-7890 Xxx BILL SENDER
Document Processing Center (7407M)
TSCA Section 8(e) Coordinator
1201 CONSTITUTION AVE NW

WASHINGTON, DC 20460

Ship Date: 19SEP12
ActWgt: 1.0 LB
CAD: 100935111/INET3300

Delivery Address Bar Code



Ref #
Invoice #
PO #
Dept #

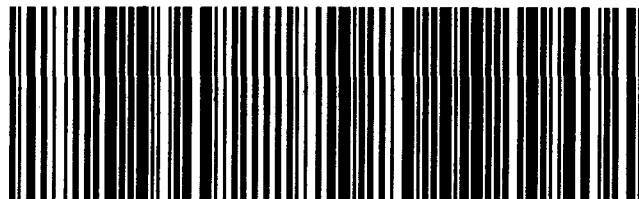
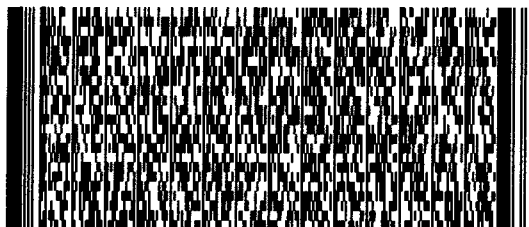
THU - 20 SEP A1
FIRST OVERNIGHT

TRK# 7989 9930 9081

0201

X1 RDVA

20460
DC-US
DCA



515G10D3A/AA44

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.